

## Purchase Order Receipt Listing

Monday, January 30, 2017 8:42:11 AM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO34858 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

[illegible]



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Pack Slip No:2560276

<b>Ship From:</b> A. M. Castle & Co. Wichita East 3050 S Hydraulic Wichita, KS 67216		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 25-JAN-2017	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> BO-SHIP DIRECT	<b>BOL No</b> 2571904	<b>Delivery No</b> 120786461		

Shipment Details

Final Destination Branch -

<b>Order No</b> 4619736	<b>Line No</b> 1	<b>Item No</b> 752132.MO	<b>Description</b> 4.0000.PL.7075.T7351.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 48.5 IN (+/- 1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
<b>Purchase Order No</b> 34858	<b>Part Number</b>		<b>Ordered Qty</b> 1.00 PCS	<b>Invoice Qty</b> 1.00 PCS	<b>Invoice Qty</b> 1.00 PCS		
<b>Details</b> ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@artaero.com END USER: DART AEROSPACE END-USE: COMMERCIAL AIRCRAFT PARTS							
<b>Mill</b> KAISER ALUMINUM	<b>Heat Number</b> 186802B5	<b>Mech ID</b>	<b>PCS</b> 1	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty (LBS)</b> 60.3104	

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

Name:

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30 January 2017 7:56:55 AM

## SHIP TO:

A M CASTLE & CO  
3050 SOUTH HYDRAULIC  
WICHITA, KS 67216

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## SOLD TO:

AM CASTLE & CO- SOLD TO  
1420 KENSINGTON RD  
SUITE 220  
OAK BROOK, IL 60523

## CERTIFIED TEST REPORT

Serial Number  
4432642

CUSTOMER PO NUMBER: 388529-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 752132	SHIP RUN/LOAD: 103681/5	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1216968-1	SHIP DATE: 11-SEP-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T7351
WEIGHT SHIPPED: 5694 LB	QUANTITY: 2 PCS EST.	TRUCK B/L #: 2062385	GAUGE: 4.0000 IN (101.6000 MM)	PRODUCT DESCRIPTION: KaiserSelect Plate
			DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)

MHU 2013125: LOT 186802B5: 1 pieces;  
MHU 2023548: LOT 182992B8: 1 pieces;

DAS  
14  
9-89

17/10/31

### Certified Specifications

AMS 4078/RevJ  
ASTM B 209/Rev14  
BSS 7055/RevB  
DPS 4.713/RevAK  
MMS 159/RevT

AMS-QQ-A-250/12/RevA  
ASTM B 594/Rev13  
CMMP 025/RevV  
GAMPS 9101/RevB/AmdSCN1  
PS 21211/RevP

AMS-STD-2154/RevA  
BAC 5439/RevJ  
CSTI 006/RevE  
GSS16100/RevG/Amd1

Test Code: 4297

Lot: 182992B8 Cast 246

Drop 06

Test Results  
Ingot 5

Melted in USA

(ASTM E8/B557)  
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	63.8 : 63.8 (440 : 440)	51.1 : 51.2 (352 : 353)	10.5 : 10.9

(ASTM E1004)  
(EN 2004-1)

Conductivity %IACS :	41.6 Min	41.8 Max
(MS/M) :	24.1 Min	24.2 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	1.5	0.03	2.4	0.20	5.8	0.03	0.01	0.01	TOT 0.06



# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4432642

Lot: 186802B5 Cast 225 Drop 14 Ingot 5 Melted in USA

(ASTM B8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	64.4 : 64.8 (444 : 447)	51.3 : 51.7 (354 : 356)	11.3 : 11.6

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS :	41.6 Min	42.0 Max
(MS/M) :	24.1 Min	24.4 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.06	0.15	1.4	0.02	2.6	0.20	5.8	0.03	0.01	0.01	TOT 0.05

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

### ORDER COMMENTS

AMC CA-15413E R 6

### TEST NOTES

Metal represented by this test report was 100% Type I  
(immersion) ultrasonically tested from one side with 3mm  
dead zones top and bottom and meets the Class A and Class B  
requirements of all specifications referenced on this test  
report. No surface marking of sonic indications is  
performed.

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

\* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.

\* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.

\* has been thermally processed in compliance with AMS 2772, where applicable.

\* is mercury free, within the limits of detection of ASTM E1215 (<1ppm).

\* is in compliance with RoHS 2, European Union Directive 2011/65/EU.

\* is in compliance with European Chemical Agency, ECHA, REACH regulations. (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.

\* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

\* is free of weld repair.

\* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under the law.

*James Hemmenway*

JAMES HEMMENWAY, TECHNICAL PROCESS MANAGER



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T73 B3.00X4.00 PO / BATCH NO: 34858 / 136713

DATE: 17/01/31

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 4'  
 QUANTITY INSPECTED: 4'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 3.00  
 THICKNESS RECEIVED: 3.00  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	7075T73
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	3.00
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	AMS-QQ-A-225/9 ALB-QQ-A-250/12
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HEAT# 186802B5
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	M7075T73 B3.00X4.00
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	M136713
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.

RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>17/01/31</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO34858

Purchase Order Date 1/6/2017 12:43:17 PM

PO Print Date 1/6/2017

Page Number 1 of 2

Order From :  
METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED

JAN 06 2017

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	
Ship To Contact	Customer Tax #	10127-2607
Ship To Phone	Terms	Net 30
Ship Via: Yours ppd	Currency	USD
Ship Acct:	FOB	Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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5	M7075T73B3.000X4.000	7075-T73 Bar 3.0 x 4.0 grain direction along 3"	1/23/2017		4.00	\$101.00	\$404.00
			Yes		f		
			1/23/2017				

MATERIAL: 7075-T73/T7351/T73510/T73511 BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078

NOTE: GRAIN DIRECTION MUST RUN ALONG 3" WIDE

Line Total: \$404.00

7	71401-45	PROCUREMENT QUALITY CLAUSES	1/23/2017		1.00	\$0.00	\$0.00
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Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

No  
1/23/2017

JAN 30 2017 DAS 6 9-89

Note:

1/6/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34858**

Purchase Order Date 1/6/2017 12:43:17 PM

PO Print Date 1/6/2017

Page Number 2 of 2

**Order From :**

VU-MET002

**Ship To :** DART AEROSPACE LTD

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

Destination-Collect

**Line Total:** \$0.00

**PO Total:** \$404.00

*W*  
*CL*  
Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

1

Change Date: 1/6/2017